

Appl. No. 10/605,880
Amdt. dated December 16, 2004
Reply to Office Action of October 19, 2004

AMENDMENTS TO THE CLAIMS:

Please cancel claims 21-26 and 40-59 without prejudice or disclaimer.

LISTING OF CLAIMS:

1. (Original) A supercharged motorcycle comprising:
 - a front wheel;
 - a rear wheel longitudinally spaced from said front wheel;
 - an engine including a rotatable crankshaft generally positioned between said wheels; and
 - an air induction system operable to deliver compressed induction fluid to the engine,
 - said air induction system including a supercharger and a drive assembly drivingly connecting
 - the supercharger relative to the crankshaft,
 - said supercharger being longitudinally spaced forward of said crankshaft to define a fore area
 - therebetween with the drive assembly spanning the fore area.

2. (Original) The motorcycle as claimed in claim 1,
 - said supercharger comprising a centrifugal supercharger including a self-contained dedicated lubrication system in which all of the lubricant is contained entirely within the supercharger.

3. (Original) The motorcycle as claimed in claim 1; and
a drive train drivingly interconnecting said crankshaft and said rear wheel and including a
rotatable driven element and an endless element drivingly interconnecting said
crankshaft and said driven element,
said driven element being aftwardly and longitudinally spaced from said crankshaft to
thereby define an aft area between said crankshaft and said driven element.

4. (Original) The motorcycle as claimed in claim 3,
said drive assembly including a foremost rotatable supercharger-driving component
longitudinally spaced from said crankshaft and positioned in or forward of the fore
area, and an aftmost rotatable power take-off component longitudinally spaced from
said crankshaft and positioned in or behind the aft area so that the drive assembly
extends into and spans between the fore and aft areas.

5. (Original) The motorcycle as claimed in claim 4,
said power take-off component drivingly intermeshing with one of said endless and driven
elements.

6. (Withdrawn) The motorcycle as claimed in claim 5,
said one of said endless and driven elements being said driven element,

said driven element comprising a toothed flywheel.

7. (Original) The motorcycle as claimed in claim 4,
said drive assembly including an endless drive element drivingly entraining said rotatable
components.

8. (Original) The motorcycle as claimed in claim 1; and
a side cover at least partially enclosing said crankshaft,
said air induction system including a generally flat support bracket supporting said
supercharger on said side cover.

9. (Original) The motorcycle as claimed in claim 1,
said air induction system including an intercooler positioned downstream of said
supercharger and upstream of said engine.

10. (Original) A supercharged motorcycle for mounted operation by a rider, said
motorcycle comprising:

a chassis operable to be mounted by the rider in a normal operating position and including
a front wheel, a rear wheel longitudinally spaced from said front wheel, a frame
supported between the wheels, a gas tank spaced between said wheels, a seat

positioned aft of the gas tank and configured to support the rider in the normal operating position, and a pair of foot supports spaced on either side of the frame and positioned generally below the gas tank and the seat;

an engine including a rotatable crankshaft generally positioned between said wheels, said chassis and engine cooperating to define a pair of leg-receiving areas spaced on either side of the chassis and each being operable to receive a corresponding leg of the rider when the rider is mounted on the seat in the normal operating position, each of said leg-receiving areas being generally defined by a curvilinear leg path extending between said seat and a respective one of said foot supports that mimics the corresponding rider's leg when the rider is mounted on the seat in the normal operating position; and

an air induction system operable to deliver compressed induction fluid to the engine and including a supercharger and a drive assembly drivingly connecting the supercharger relative to the engine to supply power from the engine to the supercharger, said entire air induction system being positioned outside of the leg-receiving areas with at least a portion of the air induction system extending between said leg paths.

11. (Original) The motorcycle as claimed in claim 10, said at least a portion of the air induction system being positioned entirely inboard of the leg paths.

12. (Original) The motorcycle as claimed in claim 10,
one of said frame and gas tank defining a pair of laterally outermost rider-engaging contact
points oppositely spaced on either side of the chassis that engage the rider's legs when
the rider is mounted on the seat in the normal operating position,
each of said contact points being positioned along a respective one of said leg paths,
each of said foot supports presenting a foot-supporting surface for supporting a foot of the
rider when the rider is mounted on the seat in the normal operating position,
each of said foot-supporting surfaces defining an outermost edge laterally spaced from said
frame and an innermost edge adjacent said frame,
each of said innermost edges lying in a common plane with a respective one of said contact
points,
each of said leg paths lying in a respective one of said common planes.

13. (Original) The motorcycle as claimed in claim 12; and
a drive train drivingly interconnecting said crankshaft and said rear wheel and including a
rotatable driven element and an endless element drivingly interconnecting said
crankshaft and said driven element,
said supercharger including a rotatable impeller operable to compress induction fluid for the
engine when rotated,

said drive assembly drivingly interconnecting said rotatable impeller and one of said driven

and endless elements,

said drive assembly being positioned entirely inboard of said common planes so as to not

engage the rider when the rider is mounted on the seat in the normal operating

position.

14. (Original) The motorcycle as claimed in claim 13,

said supercharger being forwardly and longitudinally spaced from said crankshaft to thereby

define a fore area therebetween.

15. (Original) The motorcycle as claimed in claim 14,

said driven element being aftwardly and longitudinally spaced from said crankshaft to

thereby define an aft area therebetween.

16. (Original) The motorcycle as claimed in claim 15,

said drive assembly including a foremost rotatable supercharger-driving component

longitudinally spaced from said crankshaft and positioned in or forward of the fore

area, and an aftmost rotatable power take-off component longitudinally spaced from

said crankshaft and positioned in or behind the aft area so that the drive assembly

extends into and spans between the fore and aft areas.

17. (Original) The motorcycle as claimed in claim 16,
said power take-off component drivingly intermeshing with one of said endless and driven
elements.

18. (Withdrawn) The motorcycle as claimed in claim 17,
said one of said endless and driven elements being said driven element,
said driven element comprising a toothed flywheel.

19. (Original) The motorcycle as claimed in claim 16,
said drive assembly including an endless drive element drivingly entraining said rotatable
components.

20. (Original) The motorcycle as claimed in claim 10; and
a side cover at least partially enclosing said crankshaft,
said air induction system including a generally flat support bracket supporting said
supercharger on said side cover,
at least a portion of said support bracket extending between said leg paths with said at least
a portion of said support bracket being positioned entirely inboard of the leg paths.

21-26. (Canceled)

27. (Original) A supercharged motorcycle comprising:

a chassis operable to be mounted by a rider and including a front wheel and a rear wheel longitudinally spaced from said front wheel;

an engine including a rotatable crankshaft generally positioned between said wheels;

a drive train drivingly interconnecting said crankshaft and said rear wheel and including a rotatable driven element longitudinally spaced from said crankshaft and an endless element drivingly interconnecting said crankshaft and said driven element; and

an air induction system operable to deliver compressed induction fluid to the engine and including a supercharger and a drive assembly,

said drive assembly drivingly interconnecting said drive train and said supercharger and including an indirect power take-off component drivingly engaging one of said driven and endless elements.

28. (Withdrawn) The motorcycle as claimed in claim 27,
said one of said driven and endless elements being said driven element,
said driven element comprising a flywheel.

29. (Original) The motorcycle as claimed in claim 27,
one of said driven and endless elements being said endless element.

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30. (Original) The motorcycle as claimed in claim 29,
said endless element comprising a cogged belt.

31. (Withdrawn) The motorcycle as claimed in claim 29,
said endless element comprising a chain.

32. (Original) The motorcycle as claimed in claim 27,
said supercharger including a rotatable impeller that compresses induction fluid for the
engine when rotated.

33. (Original) The motorcycle as claimed in claim 32,
said supercharger being forwardly and longitudinally spaced from said crankshaft to thereby
define a fore area therebetween.

34. (Original) The motorcycle as claimed in claim 33,
said driven element being aftwardly and longitudinally spaced from said crankshaft to
thereby define an aft area therebetween.

35. (Original) The motorcycle as claimed in claim 34,
said drive assembly including a foremost rotatable supercharger-driving component
longitudinally spaced from said crankshaft and positioned in or forward of the fore
area,
said power take-off component being longitudinally spaced from said crankshaft and
positioned in or behind the aft area so that the drive assembly extends into and spans
between the fore and aft areas.

36. (Original) The motorcycle as claimed in claim 27,
said drive assembly including a rotatable supercharger-driving component spaced from said
power take-off component,
said drive assembly further including an endless drive element drivingly entraining said
supercharger-driving and power take-off components.

37. (Original) The motorcycle as claimed in claim 36; and
a side cover at least partially enclosing said crankshaft,
said power take-off component being rotatably supported on said side cover.

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38. (Original) The motorcycle as claimed in claim 37,
said air induction system including a generally flat support bracket supporting said
supercharger on said side cover.

39. (Original) The motorcycle as claimed in claim 38,
said air induction system including an intercooler positioned downstream of said
supercharger and upstream of said engine.

40-59. (Canceled)